

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/ 3/04329

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C11D11/00 C11D17/04 C11D1/00 C11D3/37 A47L11/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D A47L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 83667 A (PROCTER & GAMBLE ) 8 November 2001 (2001-11-08) claims examples	6-8
A	US 5 728 669 A (TYERECH MICHAEL RICHARD) 17 March 1998 (1998-03-17) claims examples column 8, line 11 - line 26 column 9, line 16 - line 55	1-8
A	WO 98 47358 A (BLACK ROBERT H) 29 October 1998 (1998-10-29) claims page 3, line 18 -page 4, line 5 page 5, line 18 -page 6, line 2	1-8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

2 February 2004

Date of mailing of the international search report

11/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Neys, P

# INTERNATIONAL SEARCH REPORT

ion on patent family members

Internatic plication No

PCT/ 3/04329

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0183667	A	08-11-2001	GB 2361688 A	31-10-2001
			AU 4356201 A	12-11-2001
			AU 4735901 A	12-11-2001
			BR 0110271 A	18-02-2003
			BR 0110322 A	07-01-2003
			CA 2404681 A1	08-11-2001
			CA 2404689 A1	08-11-2001
			CN 1426458 T	25-06-2003
			CN 1426459 T	25-06-2003
			EP 1283862 A1	19-02-2003
			EP 1276846 A2	22-01-2003
			JP 2003531951 T	28-10-2003
			JP 2003531953 T	28-10-2003
			WO 0183667 A1	08-11-2001
			WO 0183658 A2	08-11-2001
			US 2003087783 A1	08-05-2003
			US 2003092590 A1	15-05-2003
US 5728669	A	17-03-1998	GB 2321251 A	22-07-1998
			AU 737491 B2	23-08-2001
			AU 4826897 A	07-08-1998
			BR 9714204 A	28-03-2000
			DE 69724831 D1	16-10-2003
			EP 0971998 A1	19-01-2000
			WO 9831777 A1	23-07-1998
WO 9847358	A	29-10-1998	ZA 9800202 A	13-07-1998
			AU 7254798 A	13-11-1998
			EP 0977481 A1	09-02-2000
			JP 2001522359 T	13-11-2001
			US 6239166 B1	29-05-2001
			WO 9847358 A1	29-10-1998